

p10479

STATE OF CALIFORNIA  
THE RESOURCES AGENCY  
STATE WATER RESOURCES CONTROL BOARD  
DIVISION OF WATER RIGHTS

ORDER

10479

LICENSE

APPLICATION 15201

PERMIT

ORDER APPROVING A NEW DEVELOPMENT SCHEDULE  
AND AMENDING THE PERMIT

WHEREAS:

1. A petition for extension of time within which to develop the project and apply the water to the proposed use has been filed with the State Water Resources Control Board.
2. The permittee has proceeded with diligence and good cause has been shown for extension of time.

NOW, THEREFORE, IT IS ORDERED THAT:

1. Paragraph 4 of the permit is amended to read as follows:

CONSTRUCTION WORK SHALL BE  
COMPLETED ON OR BEFORE

December 1, 1985

2. Paragraph 5 of the permit is amended to read as follows:

COMPLETE APPLICATION OF THE  
WATER TO THE PROPOSED USE  
SHALL BE MADE ON OR BEFORE

December 1, 1990

3. Paragraph 7 of this permit is deleted. A new paragraph 7 is added as follows:

Pursuant to California Water Code Sections 100 and 275, all rights and privileges under this permit and under any license issued pursuant thereto, including method of diversion, method of use, and quantity of water diverted, are subject to the continuing authority of the State Water Resources Control Board in accordance with law and in the interest of the public welfare to prevent waste, unreasonable use, unreasonable method of use, or unreasonable method of diversion of said water.

The continuing authority of the Board may be exercised by imposing specific requirements over and above those contained in this permit with a view to minimizing waste of water and to meeting the reasonable water requirements of permittee without unreasonable draft on the source. Permittee may be required to implement such programs as (1) reusing or reclaiming the water allocated; (2) using water reclaimed by another entity instead of all or part of the water allocated; (3) restricting diversions so as to eliminate agricultural tailwater or to reduce return flow; (4) suppressing evaporation losses from water surfaces; (5) controlling phreatophytic growth; and (6) installing, maintaining, and operating efficient water measuring devices to assure compliance with the quantity limitations of this permit and to determine accurately water use as against reasonable water requirements for the authorized project. No action will be taken pursuant to this paragraph unless the Board determines, after notice to affected parties and opportunity for hearing, that such specific requirements are physically and financially feasible and are appropriate to the particular situation. (0000012)

4. Paragraph 14 is added to this permit as follows:

The quantity of water diverted under this permit and under any license issued pursuant thereto is subject to modification by the State Water Resources Control Board if, after notice to the permittee and an opportunity for hearing, the Board finds that such modification is necessary to meet water quality objectives in water quality control plans which have been or hereafter may be established or modified pursuant to Division 7 of the Water Code. No action will be taken pursuant to this paragraph unless the Board finds that (1) adequate waste discharge requirements have been prescribed and are in effect with respect to all waste discharges which have any substantial effect upon water quality in the area involved, and (2) the water quality objectives cannot be achieved solely through the control of waste discharges. (0000013)

Dated: OCTOBER 19 1981



Raymond Walsh, Chief  
Division of Water Rights

# ORDER

APPLICATION 15201

PERMIT 10479

LICENSE \_\_\_\_\_

ORDER GRANTING PERMISSION TO CHANGE POINTS OF DIVERSION AND  
PLACE OF USE (PLAN OF DEVELOPMENT) PROPOSED IN APPROVED APPLICATION  
NUMBER 15201

WHEREAS, the Division of Water Resources did on July 3, 1956, issue Permit Number 10479 in approval of Application Number 15201, and

WHEREAS, the East Bay Municipal Utility District of Oakland, California, which is the record owner of the rights of appropriation initiated by said application, did on May 25, 1962, petition the State Water Rights Board, successor to the Division of Water Resources, for permission to make certain changes in the points of diversion and place of use (plan of development) described in said approved application on which Permit Number 10479 had theretofore been issued, which said proposed changed points of diversion and place of use (plan of development) are described in a petition and appendix thereto in the form of an amended application, received May 25, 1962, and

WHEREAS, the State Water Rights Board has examined said proposed changed points of diversion and place of use (plan of development) and finds that said changes will not operate to the injury of any other appropriator or legal user of water,

NOW THEREFORE, IT IS HEREBY ORDERED that the said petition for permission to change points of diversion and place of use (plan of development) be, and the same is hereby allowed, and

# ORDER

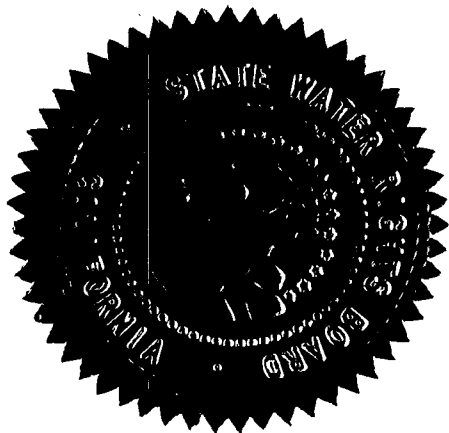
APPLICATION 15201

PERMIT 10479

LICENSE \_\_\_\_\_

IT IS HEREBY FURTHER ORDERED that a copy of the appendix to the petition (amended application) be attached to the original application which it is intended to supersede, together with a copy of this order, in order more clearly to define the present purposes and intent of applicant and permittee and to indicate the approval by the State Water Rights Board of said changed points of diversion and place of use (plan of development).

WITNESS my hand and the seal of the State Water Rights Board of the State of California this      6 th day of    August,    1962



*L. K. Hill*  
L. K. Hill  
Executive Officer

# STATE OF CALIFORNIA—STATE WATER RIGHTS BOARD

Application No. \_\_\_\_\_ Filed \_\_\_\_\_ at \_\_\_\_\_ M.  
(Applicant must not fill in the above blanks)

## ~~APPLICATION TO APPROPRIATE UNAPPROPRIATED WATER~~ Supplement to Petitions for Change in Point of Diversion and Place of Use (Plan of Development)

~~xx~~ \_\_\_\_\_  
Name of applicant or applicants

~~ofx~~ \_\_\_\_\_  
Address \_\_\_\_\_ County ~~of~~

~~xx~~ \_\_\_\_\_, do hereby make application for a permit to appropriate the  
following described unappropriated waters of the State of California, to be used for vested rights:

### Source, Amount, Use and Location of Diversion Works

1. The source of the proposed appropriation is Mokelumne River  
Give name of stream, lake, etc., if named; if unnamed state nature of source and that it is unnamed  
located in Amador, Calaveras County, tributary to San Joaquin River

2. The amount of water which applicant desires to appropriate under this application is as follows:

(a) For diversion to be directly applied to beneficial use 350 cubic feet per  
1 cubic foot per second equals 40 statute miner's inches or 646,317 gallons per day  
second, to be diverted from January 1 to December 31 of each year.  
Beginning date Closing date

(b) For diversion to be stored and later applied to beneficial use 50,000 acre-feet  
1 acre-foot equals 325,851 gallons  
per annum, to be collected between about December 1 and about July 1 of each season.  
Beginning date Closing date

NOTE.—Answer (a) or (b) or both (a) and (b) as may be necessary. If amount under (a) is less than .025 cubic foot per second, state in gallons per day. Neither the amount nor the season may be increased after application is filed. If underground storage is proposed a special supplemental form will be supplied by the State Water Rights Board upon request.

3. The use to which the water is to be applied is Power and incidental domestic  
Domestic, irrigation, power, municipal, mining, industrial, recreational  
\_\_\_\_\_ purposes.

4. The point of diversion is to be located S18° 10'E, 3420 feet from NW corner of Section 26  
State bearing and distance or coordinate distances from section or quarter section corner

being within the NW<sup>1</sup> of SW<sup>1</sup>  
State 40-acre subdivision of public land survey or projection thereof  
of Section 26, T. 5N, R. 10E, M. D. B. & M., in the County of Amador and Calaveras  
penstock

5. The ~~main conduit~~ terminates in NW<sup>1</sup> of SW<sup>1</sup> of Sec. 26, T. 5N, R. 10E, M. D. B. & M.  
State 40-acre subdivision of U. S. Government survey or projection thereof

### Description of Diversion Works

NOTE.—An application cannot be approved for an amount grossly in excess of the estimated capacity of the diversion works.

6. Intake or Headworks (fill only those blanks which apply)

(a) Diversion will be made by pumping from \_\_\_\_\_  
Sump, offset well, unobstructed channel, etc.

(b) Diversion will be by gravity, the diverting dam being \_\_\_\_\_ feet in height (stream bed to level of overflow); \_\_\_\_\_ feet long on top; and constructed of \_\_\_\_\_  
Concrete, earth, brush, etc.

(c) The storage dam will be 333 feet in height (stream bed to spillway level); 1337 feet long on top; have a freeboard of 12 feet, and be constructed of concrete  
Concrete, earth, etc.

7. Storage Reservoir Pardee

Name

T4N, R10E, Section 1; T5N, R10E, Sections 13, 14, 15, 22, 23, 24, 25,

The storage reservoir will flood lands in 26, 27, 35, 36; T5N, R11E, Sections 7, 10, 11, 15, 16, 17, 18, 19.

Indicate section or sections, also 40-acre subdivisions unless shown upon map

It will have a surface area of 2259 acres, and a capacity of 209,950 acre-feet.

In case of insufficient space for answers in form, attach extra sheets at top of page 3 and cross reference.

feet; depth of water \_\_\_\_\_ feet; length \_\_\_\_\_ feet; grade \_\_\_\_\_ feet per 1,000 feet; materials of construction \_\_\_\_\_  
Earth, rock, timber, etc.  
(b) Pipe line: Diameter \_\_\_\_\_ inches; length \_\_\_\_\_ feet; grade \_\_\_\_\_ feet per 1,000 feet; total fall from intake to outlet \_\_\_\_\_ feet; kind \_\_\_\_\_  
Riveted steel, concrete, wood-stave, etc.

NOTE.—If a combination of different sizes or kinds of conduit is to be used, attach extra sheets with complete description, also show location of each clearly on map.  
9. The estimated capacity of the diversion conduit or pumping plant proposed is 1100 cfs  
State cubic feet per second or gallons per minute  
The estimated cost of the diversion works proposed is \$750,000  
Give only cost of intake, or headworks, pumps, storage reservoirs and main conduits described herein

Completion Schedule

10. Construction work will begin on or before August 1, 1962  
Construction work will be completed on or before January 1, 1963  
The water will be completely applied to the proposed use on or before January 1, 1975

Description of Proposed Use

11. Place of Use. NW<sup>1</sup> of SW<sup>1</sup> of Section 26, T5N, R10E, MDB&M (Pardee Power House)  
State 40-acre subdivisions of the public land survey. If area is unsurveyed indicate the location as if lines of the public land survey were projected. In the case of irrigation use state the number of acres to be irrigated in each 40-acre tract, if space permits. If space does not permit listing of all 40-acre tracts, describe area in a general way and show detail upon map.  
Do(es) applicant(s) own the land whereon use of water will be made? yes Jointly? \_\_\_\_\_  
All joint owners should include their names as applicants and sign application at bottom of third page. Yes or No Yes or No  
If applicant does not own land whereon use of water will be made, give name and address of owner and state what arrangements have been made with him.

12. Other Rights. Describe all rights except those on file with the State Water Rights Board under which water is served to the above named lands.

Nature of Right (riparian, appropriative, purchased water, etc.)	Year of First Use	Use made in recent years including amount if known	Season of Use	Source of Other Supply
1.				
2.				
3.				
4.				

Attach supplement at top of page 3 if necessary.

13. Irrigation Use. The area to be irrigated is \_\_\_\_\_ acres.  
State net acreage to be irrigated  
The segregation of acreage as to crops is as follows: Rice \_\_\_\_\_ acres; alfalfa \_\_\_\_\_ acres;  
orchard \_\_\_\_\_ acres; general crops \_\_\_\_\_ acres; pasture \_\_\_\_\_ acres.  
NOTE.—Care should be taken that the various statements as to acreage are consistent with each other, with the statement in Paragraph 11, and with the map.  
The irrigation season will begin about \_\_\_\_\_ and end about \_\_\_\_\_  
Beginning date Closing date

14. Power Use. The total fall to be utilized is 330 feet.  
Difference between nozzle or draft tube water level and first free water surface above  
The maximum amount of water to be used through the penstock is 1100 \* cubic feet per second.  
The maximum theoretical horsepower capable of being generated by the works is 41,000 horsepower.  
Second feet X fall ÷ 5.5  
The use to which the power is to be applied is distribution and sale; also some private use  
For distribution and sale or private use, etc.  
The nature of the works by means of which power is to be developed is reaction turbine  
Turbine, Pelton wheel, etc.  
The size of the nozzle to be used is \_\_\_\_\_ inches.

The water will be returned to Mokelumne River xx at place of use \_\_\_\_\_ of  
Name stream State 40-acre subdivision

Sec. \_\_\_\_\_, T. \_\_\_\_\_, R. \_\_\_\_\_, B. & M.  
\*Maximum flow through power plant is 1100 cfs including water used under Application 4768, License 1388 and Application 5128, Permit 3587.

Application is made for the purpose of serving \_\_\_\_\_  
Name city or cities, town or towns. Urban areas only  
\_\_\_\_\_ having a present population of \_\_\_\_\_  
The estimated average daily consumption during the month of maximum use at the end of each five-year period until the full amount applied for is put to beneficial use is as follows:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

16. Mining Use. The name of the mining property to be served is \_\_\_\_\_  
Name of claim  
\_\_\_\_\_ and the nature of the mines is \_\_\_\_\_  
Gold placer, quartz, etc.  
The method of utilizing the water is \_\_\_\_\_  
It is estimated that the ultimate water requirement for this project will be \_\_\_\_\_  
Cubic feet per second, gallons per minute. State basis of estimate  
The water will be polluted by chemicals or otherwise \_\_\_\_\_  
will not  
Explain nature of pollution, if any  
and it will be returned to \_\_\_\_\_  
will not  
Name stream in \_\_\_\_\_ of  
State 40-acre subdivision  
Sec. \_\_\_\_\_, T. \_\_\_\_\_, R. \_\_\_\_\_, B. & M. \_\_\_\_\_

17. Other Uses. The nature of the use proposed is incidental domestic use in connection with  
Industrial, recreational, domestic, stockwatering, fish culture, etc.  
powerhouse installation, operators cottages, caretakers homes and other operation,  
maintenance and construction facilities.  
State basis of determination of amount needed. \_\_\_\_\_  
Number of persons, residences, area of domestic lawns and gardens, number and kind of stock, type  
\_\_\_\_\_

\_\_\_\_\_ industrial use, and unit requirements  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

General

18. Are the maps as required by the Rules and Regulations filed with Application? Yes \_\_\_\_\_ If not, state specifically the time required for filing same \_\_\_\_\_  
Yes or No  
19. Does the applicant own the land at the proposed point of diversion? yes \_\_\_\_\_ If not, give name and address of owner and state what steps have been taken to secure right of access thereto \_\_\_\_\_  
Yes or No  
20. What is the name of the post office most used by those living near the proposed point of diversion?  
Lodi, Lockeford, Clements, Valley Springs, Ione, Jackson, San Andreas  
21. What are the names and addresses of claimants of water from the source of supply below the proposed point of diversion? See records of State Water Rights Board.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

5

[SIGNATURE OF APPLICANT] \_\_\_\_\_

APPENDIX TO PETITIONS FOR CHANGE IN POINT OF DIVERSION  
AND CHANGE OF PLACE OF USE (PLAN OF DEVELOPMENT)

General

These petitions are filed for change in point of diversion and place of use under Application 15201, Permit 10479. These petitions are necessary because of a change in the Plan of Development. The change in plan eliminates the construction of two reservoirs in the upper reaches of the Mokelumne River, eliminates the plan for increasing the size of existing Pardee Reservoir, and eliminates a power plant proposed for Camanche Dam under the original application. The only power house to be retained under this application is the Pardee power plant. It is not proposed to construct any new storage facilities under this application.

The new plan of development is described in the petition and this appendix and the supplement attached hereto. Increased use will be made of the existing storage in Pardee Reservoir. The turbines at the Pardee Power Plant will be enlarged to increase the total capacity from 750 cfs to 1100 cfs. Camanche Dam, to be built under Application 13156, will be utilized as an afterbay for the Pardee Power Plant. This will permit greater flexibility in scheduling releases for power production at Pardee Power Plant.

The change in plan of development has been necessary primarily as a result of the requirements contained in the State Engineer's decision 858 issued on July 3, 1956, and also by the change in plan of development under Application 13156. The changes in plan of development under Application 13156, and the reasons therefore, are stated in the Petition for Change in Point of



Diversion and Plan of Development under Application 13156 dated July 5, 1960. That petition was approved by the California Water Commission July 8, 1960, and by the State Water Rights Board July 29, 1960. The decision and permit required the Applicant to afford an opportunity for local interests to participate in the construction of Camanche dam and reservoir for flood control purposes and to obtain flood control contributions from the Federal Government therefor. Other conditions imposed in Water Right Permits 10478 and 10479 and in the release of priority subsequently granted with respect to State filings, relate to protection of fisheries, interim use of water, fluctuations of releases from storage, and reservations for the counties of origin. These conditions have resulted in changes in project design and operation. Further engineering and economic studies have shown that a single reservoir to be constructed at the Camanche site is more feasible under the circumstances. The following table sets forth the amounts of direct diversion and diversion to storage under the original Application 15201, Permit 10479 and the corresponding amounts under the new plan of development described in this petition.

Amount of Direct Diversion, cu. ft. per second	Original Plan Ap. 15201 Per. 10479	Revised Plan Ap. 15201 Per. 10479
Camanche Reservoir	800	0
Pardee Reservoir	660	350 ✓
Middle Bar Reservoir	1,800	0
Maximum Diversion to Storage Acre-feet per Annum		
Camanche Reservoir	212,000	0
Pardee Reservoir	17,000	50,000 ✓
Middle Bar Reservoir	44,000	0
Railroad Flat Reservoir	80,000	0
Total	353,000	50,000

With regard to the diversion by other persons of water from the Wokelumne River between the old and new points of diversion, no interference with such diversion can result from the granting of this petition which calls only for a reduction in the amount of water applied for and the elimination of three points of diversion.

[For full information concerning the filling out of this form refer to  
Article 4 of Rules and Regulations Pertaining to Appropriation of Water]

STATE OF CALIFORNIA—DEPARTMENT OF PUBLIC WORKS  
DIVISION OF WATER RESOURCES  
STATE ENGINEER

Application No. **15201** Filed **February 16, 1953** at **1:14** P.M.  
(Applicant must not fill in the above blanks)

APPLICATION TO APPROPRIATE UNAPPROPRIATED WATER

I, East Bay Municipal Utility District  
Name of applicant  
of 512 - 16th Street, Oakland 12 County of Alameda  
Address  
State of California does, ~~it~~ hereby make application for a permit to appropriate the  
following described unappropriated waters of the State of California, *SUBJECT TO VESTED RIGHTS*:

Source, Amount, Use and Location of Diversion Works

- (1) The source of the proposed appropriation is (1) Mokelumne River So. Fk. Mokelumne River  
(2) Calaveras  
located in Calaveras County, tributary to (1) San Joaquin River  
(2) Mokelumne River
2. The amount of water which applicant desires to appropriate under this application is as follows:

(a) For diversion to be directly applied to beneficial use 1800 (see supplement) cubic feet per  
second, to be diverted from January 1 to December 31 of each year.  
Beginning date Closing date  
(b) For diversion to be stored and later applied to beneficial use 273,000 80,000 acre-feet  
(see supplement)  
per annum, to be collected between January 1 and December 31 of each season.  
Beginning date Closing date

NOTE.—Answer (a) or (b) or both (a) and (b) as may be necessary. If amount under (a) is less than .025 cubic foot per second, state in gallons per day. Neither the amount nor the season may be increased after application is filed.

3. The use to which the water is to be applied is hydroelectric power  
Domestic, irrigation, power, municipal, mining, industrial, recreational  
and incidental domestic purposes.

4. The point of diversion is to be located (see supplement)  
State bearing and distance or coordinate distances from section or quarter section corner

being within the \_\_\_\_\_  
State 40-acre subdivision of U. S. Government survey or projection thereof  
of Section \_\_\_\_\_, T. \_\_\_\_\_, R. \_\_\_\_\_, B. & M., in the County of \_\_\_\_\_  
penstock (see supplement)

5. The ~~water~~ terminates in \_\_\_\_\_, of Sec. \_\_\_\_\_, T. \_\_\_\_\_, R. \_\_\_\_\_, B. & M.  
State 40-acre subdivision of U. S. Government survey or projection thereof

Description of Diversion Works

NOTE.—An application can not be approved for an amount grossly in excess of the estimated capacity of the diversion works.

6. Intake or Headworks (fill only those blanks which apply)

- (a) Diversion will be made by pumping from \_\_\_\_\_  
Sump, offset well, unobstructed channel, etc.  
(b) Diversion will be by gravity, the diverting dam being (see supplement) feet in height (stream bed to level of overflow); \_\_\_\_\_ feet long on top; and constructed of \_\_\_\_\_  
(see supplement) Concrete, earth, brush, etc.  
(c) The storage dam will be \_\_\_\_\_ feet in height (stream bed to overflow level); \_\_\_\_\_ feet long on top; have a freeboard of \_\_\_\_\_ feet, and be constructed of \_\_\_\_\_  
Concrete, earth, etc.

7. Storage Reservoir Camanche, Pardee, Middle Bar, Railroad Flat  
Name

The storage reservoir will flood lands in see supplement and reservoir topographic maps,  
Indicate section or sections, also 40-acre subdivisions unless shown upon map  
It will have a surface area of \_\_\_\_\_ acres, and a capacity of \_\_\_\_\_ acre-feet.  
In case of insufficient space for answers in form, attach extra sheets at top of page 3 and cross reference. filed with this application.



8. Conduit System (describe main conduits only)  
No main conduits, penstocks through dam

(a) Canal, ditch, flume: Width on top (at water line) \_\_\_\_\_ feet; width at bottom \_\_\_\_\_

Cross out two not used

feet; depth of water \_\_\_\_\_ feet; length \_\_\_\_\_ feet; grade \_\_\_\_\_ feet per 1,000 feet; materials

of construction \_\_\_\_\_  
Earth, rock, timber, etc.

(b) Pipe line: Diameter \_\_\_\_\_ inches; length \_\_\_\_\_ feet; grade \_\_\_\_\_ feet per

1,000 feet; total fall from intake to outlet \_\_\_\_\_ feet; kind \_\_\_\_\_

Riveted steel, concrete, wood-stave, etc.

NOTE.—If a combination of different sizes or kinds of conduit is to be used, attach extra sheets with complete description, also show location of each clearly on map.

9. The estimated capacity of the diversion conduit or pumping plant proposed is (see supplement)  
State cubic feet per second or gallons per minute

The estimated cost of the diversion works proposed is \$43,250,000

Give only cost of intake, or headworks, pumps, storage reservoirs and main conduits described herein

## Completion Schedule

10. Construction work will begin on or before (see supplement)

Construction work will be completed on or before \_\_\_\_\_

The water will be completely applied to the proposed use on or before \_\_\_\_\_

## Description of Proposed Use

11. Place of Use. (see supplement)

State 40-acre subdivisions of the public land survey. If area is unsurveyed indicate the location as if lines of the public land

survey were projected. In the case of irrigation use state the number of acres to be irrigated in each 40-acre tract, if space permits. If space does not permit listing of all

40-acre tracts, describe area in a general way and show detail upon map.

Does applicant own the land whereon use of water will be made? (see supplement)  
Yes or No

If applicant does not own land whereon use of water will be made, give name and address of owner and state what arrangements have been made with him.

12. Domestic Use. Domestic use is proposed as follows: in connection with power house

Describe nature of use which may include stock water and the irrigation of domestic

installation, operators cottages, caretakers homes and other operation,  
gardens not exceeding one-half acre with each place of residence. State number and kind of stock to be watered, number of houses and people to be served.

maintenance and construction facilities.

The amount for which application is made was determined by \_\_\_\_\_  
Describe basis of quantity needed

13. Irrigation Use. The area to be irrigated is \_\_\_\_\_ acres.

State net acreage to be irrigated

The segregation of acreage as to crops is as follows: Rice \_\_\_\_\_ acres; alfalfa \_\_\_\_\_ acres;

orchard \_\_\_\_\_ acres; general crops \_\_\_\_\_ acres; pasture \_\_\_\_\_ acres.

NOTE.—Care should be taken that the various statements as to acreage are consistent with each other, with the statement in Paragraph 11, and with the map.

The irrigation season will begin about \_\_\_\_\_ and end about \_\_\_\_\_  
Beginning date Closing date

The land to be irrigated has another water right or source of water supply other than that herein applied for. The nature

and amount of the additional supply referred to is \_\_\_\_\_

14. Power Use. The total fall to be utilized is (see supplement) feet.

Difference between nozzle or draft tube water level and first free water surface above

The maximum amount of water to be used through the penstock is \_\_\_\_\_ cubic feet per second.

The maximum theoretical horsepower capable of being generated by the works is \_\_\_\_\_ horsepower.

Second feet  $\times$  fall  $\div$  5.5

The use to which the power is to be applied is for distribution and sale, also private use  
For distribution and sale or private use, etc.

The nature of the works by means of which power is to be developed is reaction turbines  
Turbine, Pelton wheel, etc.

The size of the nozzle to be used is \_\_\_\_\_ inches.

The water will be returned to Mokelumne River at the place of use of  
Name stream State 40-acre subdivision

Sec. \_\_\_\_\_, Tp. \_\_\_\_\_, R. \_\_\_\_\_, B. & M.



Paragraph 2(a)

Eighteen hundred (1,800) c.f.s. will be diverted at Middle Bar Dam, of this amount 660 c.f.s. will be rediverted at Pardee Dam and 800 c.f.s. will be rediverted at Camanche Dam.

Paragraph 2(b)

The water will be impounded at four reservoir sites: Camanche, Pardee, Middle Bar and Railroad Flat.

Surface storage to be diverted and later applied to beneficial use will be apportioned substantially as follows:

<u>Storage Reservoir</u>	<u>Source</u>	<u>Diversion Point</u>	<u>Maximum Diversion Per Annum (acre-feet)</u>
Camanche	Mokelumne River	(A)	212,000
Pardee	Mokelumne River	(B)	17,000*
Middle Bar	Mokelumne River	(C)	44,000
Railroad Flat	So. Fk. Mokelumne River	(D)	80,000

\* In addition to the amount permitted under applicant's prior Permits No. 2459, 2529 and 3587.

Paragraph 4

The points of diversion and rediversion are to be located as follows:

(A) Camanche Dam. South forty-three degrees fifteen minutes West (S43°15'W) one thousand nine hundred (1,900) feet from East quarter corner Section 6, being within SE1/4 of SE1/4 of said Section 6, T4N, R9E, M.D.B. & M., in the county of San Joaquin.

(B) Pardee Dam. South eighteen degrees ten minutes East (S18°10'E) three thousand four hundred twenty (3,420) feet from





Paragraph 4 (Cont'd)

NW corner Section 26, being within NW1/4 of SW1/4 of said Section 26, T5N, R10E, M.D.B. & M., in the counties of Amador and Calaveras.

✓ (C) Middle Bar Dam. South fifty-six degrees three minutes East (S56°03'E) three thousand five hundred eighty (3,580) feet from NW corner Section 16, being within SW1/4 of NE1/4 of said Section 16, T5N, R11E, M.D.B. & M., in the counties of Amador and Calaveras.

✓ (D) Railroad Flat Dam. South forty-two degrees fifty minutes East (S42°50'E) one thousand six hundred thirty (1,630) feet from North quarter corner Section 23, being within NW1/4 of NE1/4 of said Section 23, T6N, R13E, M.D.B. & M., in the county of Calaveras.

Paragraph 5

✓ Camanche	SE1/4 of SE1/4 Sec. 6, T4N, R9E, M.D.B. & M.
✓ Pardee	NW1/4 of SW1/4 Sec. 26, T5N, R10E, M.D.B. & M.
✓ Middle Bar	SW1/4 of NE1/4 Sec. 16, T5N, R11E, M.D.B. & M.



Paragraph 6 (b), 6 (c)

Storage Dams:

<u>Name</u>	<u>Height (stream bed to overflow level) (feet)</u>	<u>Top Length (feet)</u>	<u>Freeboard (feet)</u>	<u>Material of Construction</u>
✓ Camanche (a)	112	1,580	18	earth
✓ Pardee* (b)	341	1,337	4	concrete
✓ Middle Bar (b)	185	600	6	concrete
✓ Railroad Flat (a)	327	1,170	12	concrete

- (a) To spillway crest.  
(b) To top of crest gates.

\* Existing Pardee Dam with fabricated steel crest gates installed on the existing reservoir spillway.

Paragraph 7

<u>Storage Reservoir</u>	<u>Surface Elevation (feet)</u>	<u>Surface Area (acres)</u>	<u>Capacity (acre-feet)</u>	<u>Flooded Lands*</u> <u>M.D.B.&amp;M.</u>		
				<u>(T)</u>	<u>(R)</u>	<u>(Sections)</u>
✓ (A) Camanche	202	5,344	212,000	4N	9E	1,2,3,4,5, 6,7,8,9,10, 11,12,15,16
				4N	10E	4,5,6,7,8,9
				5N	9E	27,32,33,34
				5N	10E	31,33,34
✓ (B) Pardee**	576	2,271	226,950	4N	10E	1
				5N	10E	13,14,15,22 23,24,25,26 27,35,36
				5N	11E	7,16,17,18, 19
✓ (C) Middle Bar	690	724	46,500	5N	11E	1,2,3,10,11 12,15,16
				5N	12E	5,6
				6N	12E	32,33
✓ (D) Railroad Flat	2,459	678	80,000	6N	13E	13,14,23, 24,25,26
				6N	14E	18,19,20,29

- \* All as shown more exactly on maps filed with this application.  
\*\* Pardee Reservoir will extend upstream to the Middle Bar Dam.  
Existing capacity is 209,950 acre-feet.



Paragraph 9

Camanche	800 c.f.s.
Pardee	660 "
Middle Bar	1800 "

Paragraph 10

The existing works, consisting of Pardee Dam and Power Plant, were constructed by the applicant during the years 1926-1931 pursuant to prior Applications 4228, 4768 and 5128 (Permits 2459, 2529 and 3587, respectively), from the State Division of Water Resources.

Construction of the remaining project works will be carried on in conjunction with Application 13156 as required to meet the growing demands of the District. It is estimated that all works will be completed before the year 2000.

Paragraph 11

Hydroelectric power houses will be located as follows:

✓ Camanche	SE1/4 of SE1/4 Sec. 6, T4N, R9E, M.D.B. & M.
✓ Pardee	NW1/4 of SW1/4 Sec. 26, T5N, R10E, M.D.B. & M.
✓ Middle Bar	SW1/4 of NE1/4 Sec. 16, T5N, R11E, M.D.B. & M.

Applicant owns the land at Pardee Dam and at the proposed point of diversion at Middle Bar Dam site. No action has been taken to secure right of access to the proposed points of diversion at Camanche and Railroad Flat Dam sites. Applicant has power of eminent domain.

Paragraph 14

<u>Name</u>	<u>Total Fall (feet)</u>	<u>Maximum Amount of Water (c.f.s.)</u>	<u>Maximum Theoretical Horsepower</u>
✓ Camanche	✓ 107	800	9,730
✓ Pardee*	✓ 336	660	25,200
✓ Middle Bar	✓ 146	1800	29,860

\* The present installed capacity is 20,000 H.P. Units will be added providing additional capacity of 25,200 theoretical H.P.



Paragraph 14 (continued)

The water will be returned to Mokelumne River at the place of use. (See Paragraph 5 of this supplement.)

Paragraph 20

Applicant owns the land at Pardee Dam and at the proposed point of diversion at Middle Bar Dam site. No steps have been taken to secure right of access to the proposed points of diversion at Camanche and Railroad Flat Dam sites. Applicant has power of eminent domain.

Names and addresses of owners of land at Camanche Dam site are as follows:

Phillip M. & Una L. Thorns, Clements, California  
Charles & Lucy A. Mathews, Clements, California  
Josephine M. Kissel, Clements, California

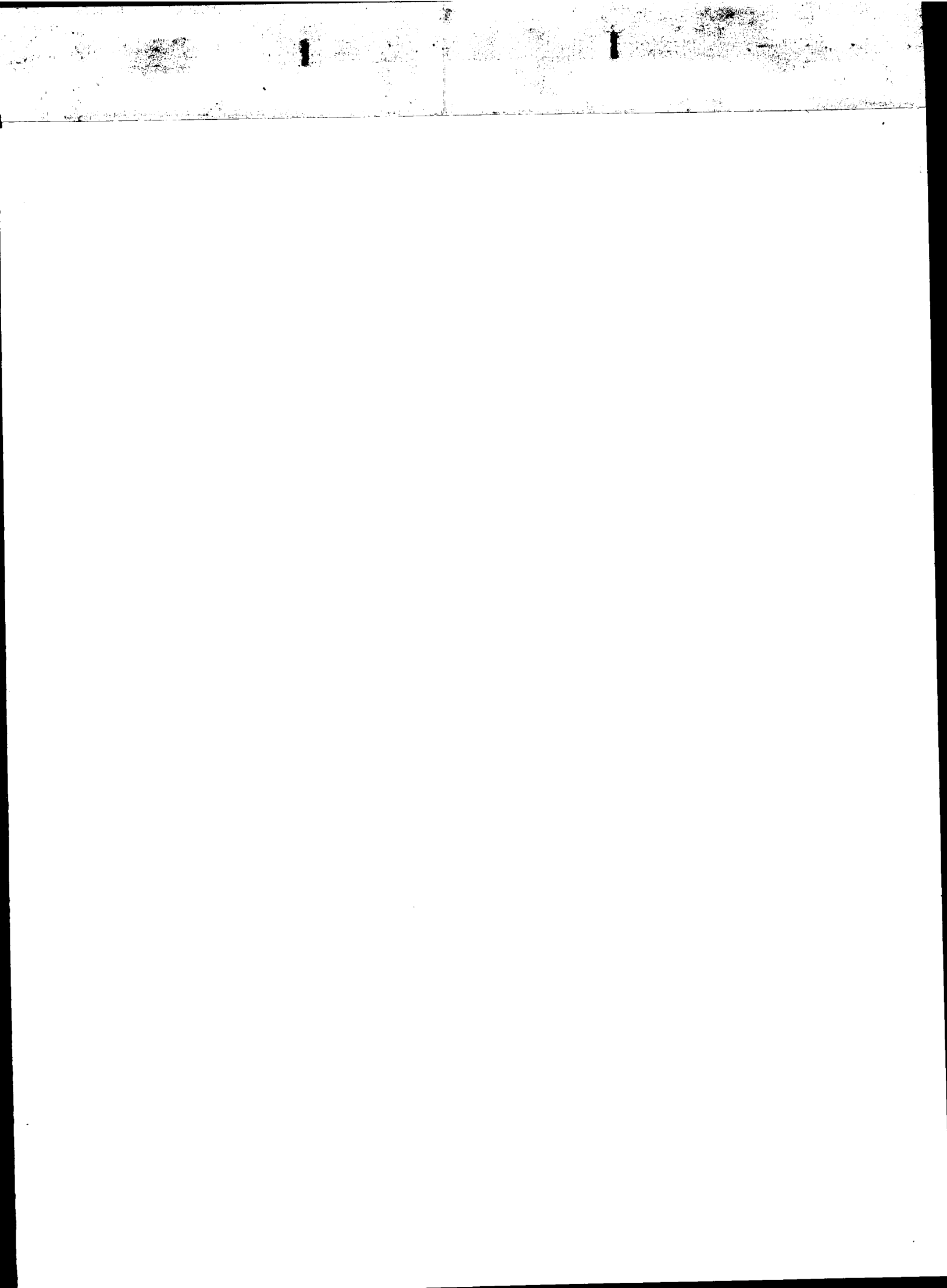
Names and addresses of owners of land at Railroad Flat Dam site are as follows:

Francis Seeman, R.F.D. 1, Mokelumne Hill, California  
Mrs. Sophie T. Shook, 1235 North Sutter St., Stockton, California  
Mollie Herzer, P.O. Box 146, Murphy, California

Paragraph 22

Names and addresses of claimants of water from the source of supply below the proposed points of diversion:

State of California, Department of Finance, Sacramento  
Woodbridge Irrigation District, R.F.D. 2 Box 67, Lodi  
Woodbridge Water Users Association, Lodi  
City of Lodi  
North San Joaquin County Water Conservation District, Lodi  
County of Calaveras, San Andreas  
Calaveras County Water District, San Andreas  
Calaveras Public Utility District, San Andreas  
Many other appropriators and riparian owners, the number and names of which are unknown to the applicant.





ATTACH EXTRA SHEETS HERE

15. **Municipal Use.** This application is made for the purpose of serving \_\_\_\_\_  
Name city or cities, town or towns. Urban areas only  
\_\_\_\_\_ having a present population of \_\_\_\_\_

The estimated average daily consumption during the month of maximum use at the end of each five-year period until the full amount applied for is put to beneficial use is as follows:

16. **Mining Use.** The name of the mining property to be served is \_\_\_\_\_  
Name of claim  
\_\_\_\_\_ and the nature of the mines is \_\_\_\_\_  
Gold placer, quartz, etc.

The method of utilizing the water is \_\_\_\_\_

It is estimated that the ultimate water requirement for this project will be \_\_\_\_\_  
Cubic feet per second, gallons per minute. State basis of estimate

The water will be polluted by chemicals or otherwise \_\_\_\_\_  
will not Explain nature of pollution, if any

and it will be returned to \_\_\_\_\_ in \_\_\_\_\_ of  
will not Name stream State 40-acre subdivision

Sec. \_\_\_\_\_, T. \_\_\_\_\_, R. \_\_\_\_\_, B. & M. \_\_\_\_\_

17. **Industrial Use.** The nature of the use proposed is \_\_\_\_\_  
Describe nature and method of use

The amount for which application is made was determined by \_\_\_\_\_  
Describe basis of estimate of quantity needed

18. **Recreational Use.** Water will be used for \_\_\_\_\_  
Describe nature and method of use

The amount for which application is made was determined by \_\_\_\_\_  
Describe basis of estimate of quantity needed

## General

19. Are the maps as required by the Rules and Regulations filed with Application? Yes If not,  
Yes or No  
state specifically the time required for filing same \_\_\_\_\_

(see supplement)

20. Does the applicant own the land at the proposed point of diversion? \_\_\_\_\_ If not, give name and  
Yes or No  
address of owner and state what steps have been taken to secure right of access thereto \_\_\_\_\_

21. What is the name of the post office most used by those living near the proposed point of diversion?

Lodi, Lockeford, Clements, Valley Springs, Ione, Jackson, San Andreas

22. What are the names and addresses of claimants of water from the source of supply below the proposed point of diversion? (see supplement)

EAST BAY MUNICIPAL UTILITY DISTRICT

[SIGNATURE OF APPLICANT]

President  
PRESIDENT



**PERMIT No. 10479**

This is to certify that the application of which the foregoing is a true and correct copy has been considered and is hereby approved **SUBJECT TO VESTED RIGHTS** and the following limitations and conditions:

1. The amount of water appropriated shall be limited to the amount which can be beneficially used, and shall not exceed one thousand eight hundred (1800) cubic feet per second by direct diversion to be diverted from January 1 to December 31 of each year, and three hundred fifty-three thousand (353,000) acre-feet per annum by storage to be collected from about December 1 of each year to about July 1 of the succeeding year; all as more explicitly set forth in paragraph 2 of this approved application. (0000005)
2. The maximum amount herein stated may be reduced in the license if investigation so warrants. (0000000)
3. Actual construction work shall begin on or before **December 1, 1957** and shall thereafter be prosecuted with reasonable diligence, and if not so commenced and prosecuted this permit may be revoked. (0000000)
4. Said construction work shall be completed on or before **December 1, 1980.** (0000000)
5. Complete application of the water to the proposed use shall be made on or before **December 1, 1985.** (0000000)
6. Progress reports shall be filed promptly by permittee on forms which will be provided annually by the State Engineer until license is issued. (0000000)
7. All rights and privileges under this permit including method of diversion, method of use and quantity of water diverted are subject to the continuing authority of the Department acting through the State Engineer in accordance with law and in the interest of the public welfare to prevent waste, unreasonable use, unreasonable method of use or unreasonable method of diversion of said water. (0000000)
8. Construction of Camanche Dam and Reservoir under this permit shall not commence until the local interests have had an opportunity to financially participate in the construction of said dam and reservoir for flood control purposes or to secure Federal participation therein; provided that such participation for flood control purposes shall be determined on or before December 1, 1960. (0000000)
9. No diversion shall be made under this permit at the Camanche or Pardee Dam sites until an agreement has been reached between the permittee and the State Department of Fish and Game with respect to flows to be by-passed for fish life; or failing to reach such agreement, until a further order is entered by the Division or its successor with respect to said flows. (0000000)
10. During the months March through October, inclusive, whenever the mean monthly flows released downstream from enlarged Pardee Reservoir or Camanche Reservoir are less than 400 cubic feet per second, mean daily flows shall not be less than 75% of the average monthly rate of flow released past the lower of said dams, except in event of emergency. (0000000)
11. Permittee shall at all times by-pass a minimum of 5.0 cubic feet per second, or the natural flow of the stream whenever it is less than 5.0 cubic feet per second, at Railroad Flat Dam, to maintain fish life. (0000000)
12. No diversion or use of water shall be made under this permit which will in any way interfere with diversion or use of water for higher uses whether such higher uses are made under either prior or subsequent rights. (0000000)
13. Insofar as this application relates to the collection of water by storage from July 1 to December 1 of each year the same is deried. (0000000)

This permit is issued and permittee takes it subject to the following provisions of the Water Code:

Section 1390. A permit shall be effective for such time as the water actually appropriated under it is used for a useful and beneficial purpose in conformity with this division (of the Water Code), but no longer.

Section 1391. Every permit shall include the enumeration of conditions therein which in substance shall include all of the provisions of this article and the statement that any appropriator of water to whom a permit is issued takes it subject to the conditions therein expressed.

Section 1392. Every permittee, if he accepts a permit, does so under the conditions precedent that no value whatsoever in excess of the actual amount paid to the State therefor shall at any time be assigned to or claimed for any permit granted or issued under the provisions of this division (of the Water Code), or for any rights granted or acquired under the provisions of this division (of the Water Code), in respect to the regulation by any competent public authority of the services or the price of the services to be rendered by any permittee or by the holder of any rights granted or acquired under the provisions of this division (of the Water Code) or in respect to any valuation for purposes of sale to or purchase, whether through condemnation proceedings or otherwise, by the State or any city, city and county, municipal water district, irrigation district, lighting district, or any political subdivision of the State, of the rights and property of any permittee, or the possessor of any rights granted, issued, or acquired under the provisions of this division (of the Water Code).

Witness my hand and the seal of the  
Department of Public Works of the State of California  
this 3rd day of July 1956

~~Harvey O. Banks~~ HARVEY O. BANKS  
State Engineer

By L. C. Jopson  
Assistant State Engineer

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